

Title (en)  
USE OF MIXTURES OF BETAINES OR AMINOXIDES AND ESTERS OF NAPHTHENIC ACIDS WITH POLYOXYETHYLENE GLYCOL FOR THE RECOVERY OF PETROLEUM

Publication  
**EP 0043495 B1 19830316 (DE)**

Application  
**EP 81104855 A 19810623**

Priority  
DE 3025383 A 19800704

Abstract (en)  
[origin: EP0043495A1] 1. Use of a mixture of a) surface-active betaines which contain, as the hydrophilic radical, at least one quaternary ammonium group which is capable of forming an intramolecular salt with a carboxyl group or sulphonic acid group, and, as the oleophilic radical, at least one radical derived from naphthenic acids or amine oxides of the general formula see diagramm : EP0043495,P8,F1 in which R\*\*1 is a naphthenoyl radical, R\*\*6 is an alkylene radical having 2 to 5 carbon atoms, and R\*\*7 and R\*\*8 are identical or different and represent a methyl or ethyl radical, and b) polyoxyethylene esters of naphthenic acids, the ester having a molecular weight of 500-3,000, in an a) : b) weight ratio of 10:90 to 90:10 ; as surfactants for tertiary oil recovery.

IPC 1-7  
**E21B 43/22**; **C09K 7/02**

IPC 8 full level  
**C09K 8/035** (2006.01); **C09K 8/06** (2006.01); **C09K 8/584** (2006.01); **C09K 23/00** (2022.01); **E21B 43/22** (2006.01)

CPC (source: EP)  
**C09K 8/035** (2013.01); **C09K 8/06** (2013.01); **C09K 8/584** (2013.01); **C09K 23/017** (2022.01)

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